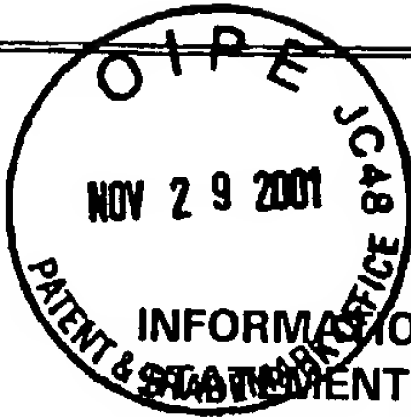


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Att'y. Docket No.

00-1123-A

Serial No.

09,929,957

Applicant:

Cunningham, et al.

Filing Date:

August 15, 2001

Group:

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JD	1	4,931,384	6/5/90	Layton, et al.	435	7	10/17/84
	2	5,118,608	6/2/92	Layton, et al.	435	7.1	9/22/89
	3	5,478,756	12/26/95	Gizeli, et al.	436	527	2/8/95
	4	5,496,701	3/5/96	Pollard-Knight	435	7.4	6/2/92
	5	5,598,267	1/28/97	Sambles, et al.	356	369	2/3/95
	6	5,690,894	11/25/97	Pinkel et al.	422	68.1	5/23/95
	7	5,738,825	4/14/98	Rudigier et al.	422	82.11	7/18/94
	8	5,804,453	9/8/98	Chen	436	518	2/9/96
	9	5,846,843	12/8/98	Simon	436	527	11/18/96
	10	5,925,878	7/20/99	Challener	250	225	8/20/97
	11	5,955,378	9/21/99	Challener	436	525	8/20/97
	12	5,986,762	11/16/99	Challener	356	375	6/15/98
	13	5,994,150	11/30/99	Challener, et al.	436	518	11/19/97
	14	6,035,089	3/7/00	Grann et al.	385	129	6/11/97
	15	6,100,991	8/8/00	Challener	356	445	6/22/99
JD	16	6,146,593	11/14/00	Pinkel, et al.	422	68.1	7/24/97

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Document Number	Date	Country	Class	Subclass	Translation	
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17	0 1 1 2 7	EPO				
18	8 4 0 2 5 7 8	PCT				
19	9 0 0 8 3 1 8	PCT				
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21	0 5 1 7 7 7 7	EPO				
22	9 1 1 3 3 3 9	PCT				
23	9 2 2 1 7 6 8	PCT				
24	9 3 1 4 3 9 2	PCT				
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30	9 9 6 6 3 3 0	PCT				
31	0 0 2 3 7 9 3	PCT				
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Atty. Docket No.

00-1123-A

Serial No.

09/929,957

Applicant:

Cunningham, et al.

Filing Date:

August 15, 2001

Group:

1743

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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	7	5,738,825	4/14/98	Rudigier et al.	422	82.11	7/18/94
	8	5,804,453	9/8/98	Chen	436	518	2/9/96
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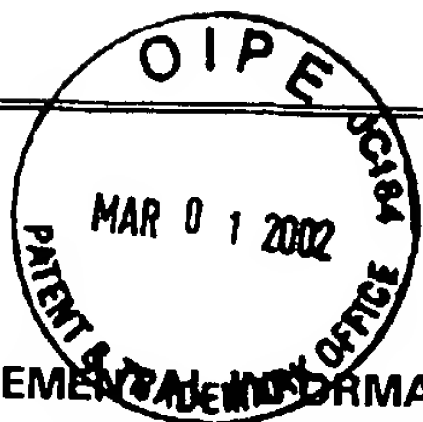
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	1	Hobbs, et al., "Automated Interference Lithography Systems for Generation of Sub-Micron Feature Size Patterns", SPIE, Vol. 3879, pp. 124-135, September 1999
	2	Cunningham, "Introduction to Bioanalytical Sensors", Techniques in Analytical Chemistry, pp. 260-291
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		9-26-04

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	2.	5,991,480	11/23/99	Kunz, et al.	385	37	08/07/96
	3.	6,320,991 B1	11/20/01	Challener, et al.	385	12	10/16/98
	4.	RE37,473 E	12/18/01	Challener	250	225	02/03/00
	5.	6,346,376 B1	02/12/02	Sigrist, et al.	435	5	05/11/99
JS	6.	US 2002/0018610 A1	02/14/02	Challener, et al.	385	12	09/28/01

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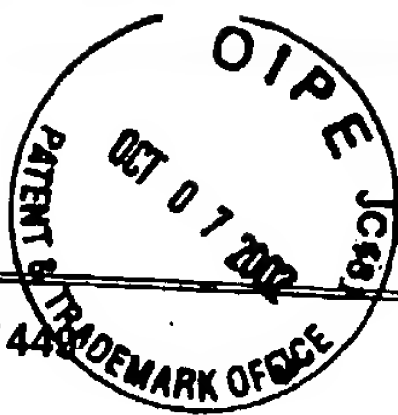
JS	7.	Challener, et al., "A multiplayer grating-based evanescent wave sensing technique", Elsevier Science B.V., pp. 42-46 (2000)
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>M</i>	1.	4,009,933	03/01/77	Firester	350	152	05/07/95
<i>W</i>	2.	5,598,300	01/28/97	Magnusson, et al.	359	566	06/05/95

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

<i>W</i>	3.	Invitation to Pay Additional Fees in foreign counterpart application PCT/US01/50723
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>[Signature]</i>	1	6,185,019 B1	2/6/01	Hobbs, et al.	359	30	5/14/99
	2	6,088,505	7/11/00	Hobbs	385	147	6/10/97
	3	4,536,608	8/20/85	Sheng, et al.	136	259	4/25/83
	4	5,229,614	7/20/93	Andersoon et al.	250	370.12	3/27/92
	5	5,559,338	9/24/96	Elliott et al.	250	492.1	10/4/94

FOREIGN PATENT DOCUMENTS

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							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

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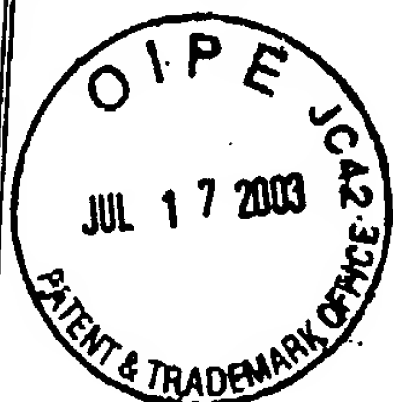
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	1.	4,876,208	10/24/89	Gustafson et al.	436	531	1/30/87
	2.	4,992,385	2/12/91	Godfrey	436	525	7/22/87
	3.	5,455,178	10/3/95	Fattinger	436	164	5/28/93
	4.	5,478,527	12/26/95	Gustafson et al.	422	82	11/21/94
	5.	5,738,825	4/14/98	Rudigier et al.	422	82	5/12/97

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SEVENTH SUPPLEMENTAL INFORMATION
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>W</i>	1.	5,492,840	02/20/96	Malmqvist et al.			

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Publication Date if Appropriate	Name	Class	Subclass	Filing Date
<i>W</i>	2.	20030027328-A1	6 Feb 2003	Cunningham et al.			
<i>W</i>	3.	20020127565-A1	12 Sept 2002	Cunningham et al.			
<i>W</i>	4.	20030027327-A1	6 Feb 2003	Cunningham et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
<i>W</i>	5.	WO 02/061429	8 Aug 2002	PCT				

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<i>W</i>	6.	Cunningham et al., <i>Sensors and Actuators B</i> 85; pp 219-226 (2002).
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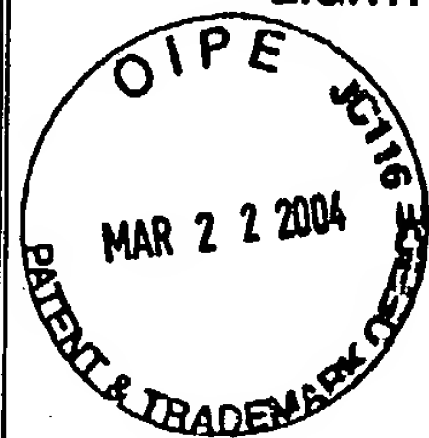
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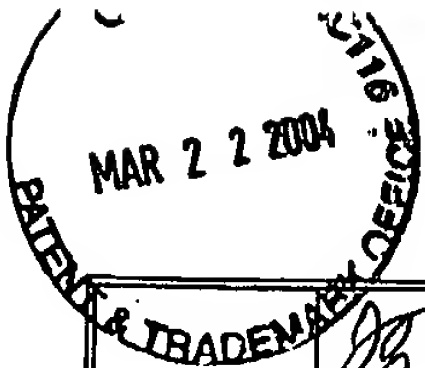
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	1.	5,801,390	9/1/98	Shiraishi	250	559.3	2/7/97
	2.	5,475,780	12/12/95	Mizrahi	385	37	6/17/93
	3.	4,958,895	9/258/90	Wells, et al.	350	96.12	6/23/89
	4.	6,052,213	4/18/00	Burt, et al.	359	237	3/24/97
	5.	5,210,404	5/11/93	Cush, et al.	250	216	5/19/92
	6.	4,857,273	8/15/89	Stewart	422	68	4/4/86
	7.	5,242,828	9/7/93	Bergström, et al.	435	291	11/9/89
	8.	5,864,641	1/26/99	Murphy, et al.	385	12	4/11/97
	9.	5,337,183	8/9/94	Rosenblatt	359	248	10/20/92
	10.	6,404,554 B1	6/11/02	Lee, et al.	359	576	5/18/00
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	12.	6,587,276 B2	7/1/03	Daniell	359	622	3/17/01
	13.	6,316,153 B1	11/13/01	Goodman, et al.	430	8	4/21/99
	14.	5,814,524	9/29/98	Walt, et al.	436	514	12/14/95
	15.	5,170,448	12/8/92	Ackley, et al.	385	31	1/6/92
	16.	5,606,170	2/25/97	Saaski, et al.	250	458.1	2/3/95
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	18.	Lenau, Torben; <i>Material, Silicon Nitride</i> , 1996, 97, 98
	19.	Cerac, Technical publications: <i>Tantalum Oxide, Ta₂O₅ for Optical Coating</i> , 2000, Cerac, Inc.
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**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE
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	1.	Statement of Applicants filed on April 8, 2004.
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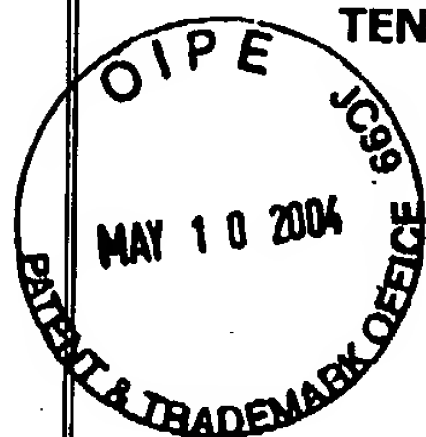
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	1.	Bertoni, et al., "Frequency-Selective Reflection and Transmission by a Periodic Dielectric Layer", IEEE Transactions on Antennas and Propagation, Vol. 37, No. 1, pp. 78-83 (1989)
	2.	Brundrett, et al., "Normal-incidence guided-mode resonant grating filters: design and experimental demonstration", Optics Letters, Vol. 23, No. 9, pp. 700-702 (1998)
	3.	Peng, "Polarization-control Components and Narrow-band Filters Based on Subwavelength Grating Structures" 1996
EXAMINER		DATE CONSIDERED

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